Tripp Lite
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Model #: SMART700

SmartPro Tower UPS System - Intelligent, line-interactive battery backup and network power management

Highlights

- 700VA line interactive tower UPS
- Maintains 120V nominal output over an input range of 75 to 147V
- Network communications supported via USB port
- Current monitoring
- Input: NEMA 5-15P (120V 15A) / Output: 6 NEMA 5-15R (120V)
- 2 year product warranty / $250,000 Ultimate Lifetime Insurance (USA, Puerto Rico & Canada only)

Description

Tripp Lite's SMART 700 intelligent, line interactive UPS system protects servers, networking accessories and telecommunications equipment from blackouts, voltage fluctuations and transient surges. Large internal batteries offer 20 minutes half load runtime and 6 minutes at full load during power failures. 700VA/450 watt power handling capability supports a variety of networking, telecom and various other application types, including the support of multiple network workstations. Includes a total of 6 UPS supported outlets. Supports remote monitoring of UPS and site power conditions via built-in USB monitoring port. Includes PowerAlert UPS monitoring and unattended shutdown software with complete cabling. Built-in audible alarm and 5 front panel LEDs indicate status of line power, battery power, battery low/replace, voltage regulation and load level. Wall mountable with UPSWM wallmount bracket. Network-grade AC surge suppression protects equipment from damage and performance problems resulting from transient surges. Attractive, small-footprint tower housing uses less than 53 square inches of floor or desktop space. Two year warranty with $250,000connected equipment insurance.

Applications

- Ideal for the protection of fileservers, network accessories and telecommunications equipment. Common applications include any mix of servers, workstations, hubs, routers, concentrators, IP telephony and traditional PBX switching systems. Ideal for sensitive electronic applications in areas where brownouts and overvoltages are common.

Package Includes

- SMART 700 UPS System
- Monitoring cable
- PowerAlert unattended shutdown and UPS/Power monitoring software
- Instruction manual with warranty information

Features

- 700VA/450 watt power handling capability supports a variety of networking, telecom and various other application types
- Built-in voltage regulation and battery support, plus complete AC line surge suppression prevents equipment damage, data loss and downtime
- Large internal batteries offer 20 minutes half load runtime and 6 minutes at full load during power failures
- Automatic Voltage Regulation (AVR) circuits with two boost and one voltage reduction level maintains usable 120V nominal output over an input voltage range of 75-147V
- Includes a total of 6 NEMA5-15R outlets

- Includes USB communications port for remote monitoring of UPS status and site power conditions
- Communications port enables safe unattended shutdown without data loss during extended power failures
- Communications port supports messaging of UPS and line power status, including on-battery, low-battery, power-restored, AC line voltage, DC battery voltage and battery capacity
- Communications ports support timed inverter shutoff after unattended shutdown, activate self-test and 10 second reboot of connected equipment
- PowerAlert UPS monitoring and unattended shutdown software with complete cabling included
- Battery replacement door
- Supports Tripp Lite's WatchDog software application to restore unresponsive programs by automatically restarting them and rebooting completely locked computers by automatically switching UPS power off and back on again
- Notification of system status via 5 LEDs and multi-function audible alarms
- Wall mountable with UPSWM wallmount bracket
- Attractive small footprint black tower housing uses less than 53 square inches
- Hot-swappable batteries allow on-site battery replacement
- Cold start capability enables UPS turn-on in battery mode during blackout conditions
- UL (USA), cUL (Canada), NOM (Mexico), Class A (Emissions) Listed
- $250,000 Ultimate Lifetime Insurance.
- 2 year manufacturers product warranty

Specifications

SYSTEM OVERVIEW	
Voltage compatibility	120V AC
Frequency compatibility	60Hz
OUTPUT	
Output VA	700
Output watts	450
Output nominal voltage	120V AC
Output voltage regulation	LINE MODE: Sine wave line voltage 120V (-18% / +8%) BATTERY MODE: PWM sine wave output 120V +/-5%
Output frequency regulation	LINE MODE: Passes line frequency of 60Hz +/-10% BATTERY MODE: Inverter output regulated to 60Hz +/-0.5Hz
Outlet quantity / type	6 NEMA 5-15R
INPUT	
Maximum input amps	4.4A / 490 watts
Input connection type	NEMA 5-15P
Input cord length	6 ft., 16 gauge
Recommended Electrical Service	15A 120V
BATTERY	
Full load runtime	6 minutes (700VA)
Half load runtime	20 minutes (350VA)
DC system voltage	12 VDC
Typical battery lifespan	3-6 years, depending on usage
Battery recharge rate	2-4 hours to 90%
Replacement Battery Cartridge	RBC52 (quantity 2)
VOLTAGE REGULATION	

Voltage regulation description	Automatic Voltage Regulation (AVR) circuits maintain clean, regulated computer-grade 120V nominal output, without using battery power, during brownouts to 75V and overvoltages to 147V
Overvoltage correction	Input voltages between 128 and 147V AC are reduced by 12%
Direct pass through	Input voltages between 108 and 127V AC are passed on to connected equipment unchanged
Brownout correction	Input voltages between 93 and 107V AC are boosted by 14%
Severe brownout correction	Input voltages between 75 and 92V AC are boosted by 30%
LEDS ALARMS & SWITCHES	
Front panel LEDs	Includes 5 front panel LEDs to indicate BATTERY CHARGE LEVEL, AC LINE POWER STATUS, VOLTAGE REGULATION STATUS, UPS LOAD LEVEL and BATTERY LOW / REPLACE information
Alarms	Audible alarm with 15 second delay sounds to indicate loss of utility power. Alarm can be silenced by pressing front panel alarm cancel button. Once silenced, alarm will re-sound when approximately 2 minutes runtime remain.
Switches	Includes 2 front panel switches—one main on/off power switch and one dual function "alarm cancel" / "self test" button
SURGE / NOISE SUPPRESSION	
AC surge suppression	1800 joules
AC suppression response time	Instantaneous
EMI / RFI AC noise suppression	Yes
PHYSICAL	
Shipping weight (lbs)	24
Shipping weight (kg)	10.9
Shipping Dimensions (HWD/in)	15.5 x 11 x 11.25
Shipping Dimensions (HWD/cm)	39.4 x 28 x 28.6
Unit weight (lbs)	22
Unit weight (kg)	10.0
Unit Dimensions (HWD/in)	11.75 x 7.25 x 7.5
Unit Dimensions (HWD/cm)	29.8 x 18.4 x 19.1
Material of construction	PVC
Form factors supported	Tower
Cooling method	Convection
Battery Access	Battery access door allows user replacement of UPS batteries
ENVIRONMENTAL	
Relative Humidity	0 to 95%, non-condensing
Storage Temperature	+5 to +122 degrees Fahrenheit
Operating Temperature	+32 to +104 degrees Fahrenheit
COMMUNICATIONS	
Network monitoring port	Built-in USB port supports on battery, low battery, power restored, AC line voltage, DC battery voltage, load percentage, battery charge current, battery capacity, internal UPS temperature and line frequency status messaging. Interface supports timed inv

Software and cabling included	Includes PowerAlert UPS monitoring and auto-shutdown software and cabling
WatchDog compatibility	Yes, compatible with Tripp Lite's Watchdog system service to restore operation to locked equipment through soft reboot of application / OS or hard power off/on reboot of connected equipment - ideal for unattended kiosk applications
LINE / BATTERY TRANSFER	
Transfer time from line power to battery mode	2-4 milliseconds
Low voltage transfer to battery power	Switches to battery power as line voltage decreases to 75 volts or less. Resets back to line power mode as line voltage increases to 79V or higher.
High voltage transfer to battery power	Switches to battery power as line voltage increases to 147 volts or higher. Resets to line power mode as line voltage decreases to 143V or less.
SPECIAL FEATURES	
Cold Start	Yes, inverter can be "cold started" to enable temporary AC output during a power failure
Appearance	Attractive black tower UPS
CERTIFICATIONS	
Certifications	Tested to UL1778 (USA), cUL (Canada), FCC Class B (emissions), NOM (Mexico)
WARRANTY	
Product Warranty Period	2 year product warranty
Connected Equipment Coverage	$250,000 connected equipment insurance (USA / Canada only)
Optional Coverage	3-5 year warranties, plus next day and on-site warranty coverage available for select opportunities. Contact Tripp Lite for additional information.

Related Items

Extended Warranties		
WEXT3-500-1500	3-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 1500VA or less	Qty: [optional]
WEXT5-500-1500	5-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 1500VA or less	Qty: [optional]

Power Distribution		
PDU1215	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	Qty: [optional]

Surge Protectors		
DTEL2	Network Surge Suppressor - Essential protection for data and communication lines	Qty: [optional]
DNET1	Network Surge Suppressor - Essential protection for data and communication lines	Qty: [optional]
DCATV	Network Surge Suppressor - Essential protection for TV/VCR coaxial lines	Qty: [optional]

USB Hubs/Accessories		
U022-010	USB Cable - 10-ft. USB 2.0 AB Gold Device Cable	Qty: [optional]

Wallmount Bracket		
UPSWM	Wallmount Bracket and installation accessories (4 washers, 4 screws, 1 Velcro safety strap)	Qty: [optional]

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/en/products/model.cfm?txtModelID=2801.

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